

SYSTEM **P**LANNING & **A**NALYSIS **R**EPORT

S-15

TH 169

TH 494 TO CSAH 61
IN EDEN PRAIRIE

S. P. 2763

JULY, 1970

PREPARED BY
OFFICE OF SYSTEM PLANNING



**MINNESOTA
DEPARTMENT
OF HIGHWAYS**

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: 7/9/70

FROM : Morris Gildemeister, Chief
Statewide Planning Section

SUBJECT: T.H. 169, T.H. 494 to CSAH 61 in Eden Prairie
S. P. 2763
System Planning & Analysis Report S-15

The Statewide Planning Section transmits this report in response to D. W. Brown's June 4, 1970 request for the 1985 ADT, DHV, and HCA DT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4-6:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCA DT

Segment 1, with a 1985 one-way ADT of 26000, has the highest ADT on the project section of T.H. 169. This segment has a 1968 one-way ADT of 4690 vehicles on the existing comparable section of present T.H. 169.

The basic data, method, and assumptions used to prepare this report are presented on page 7.

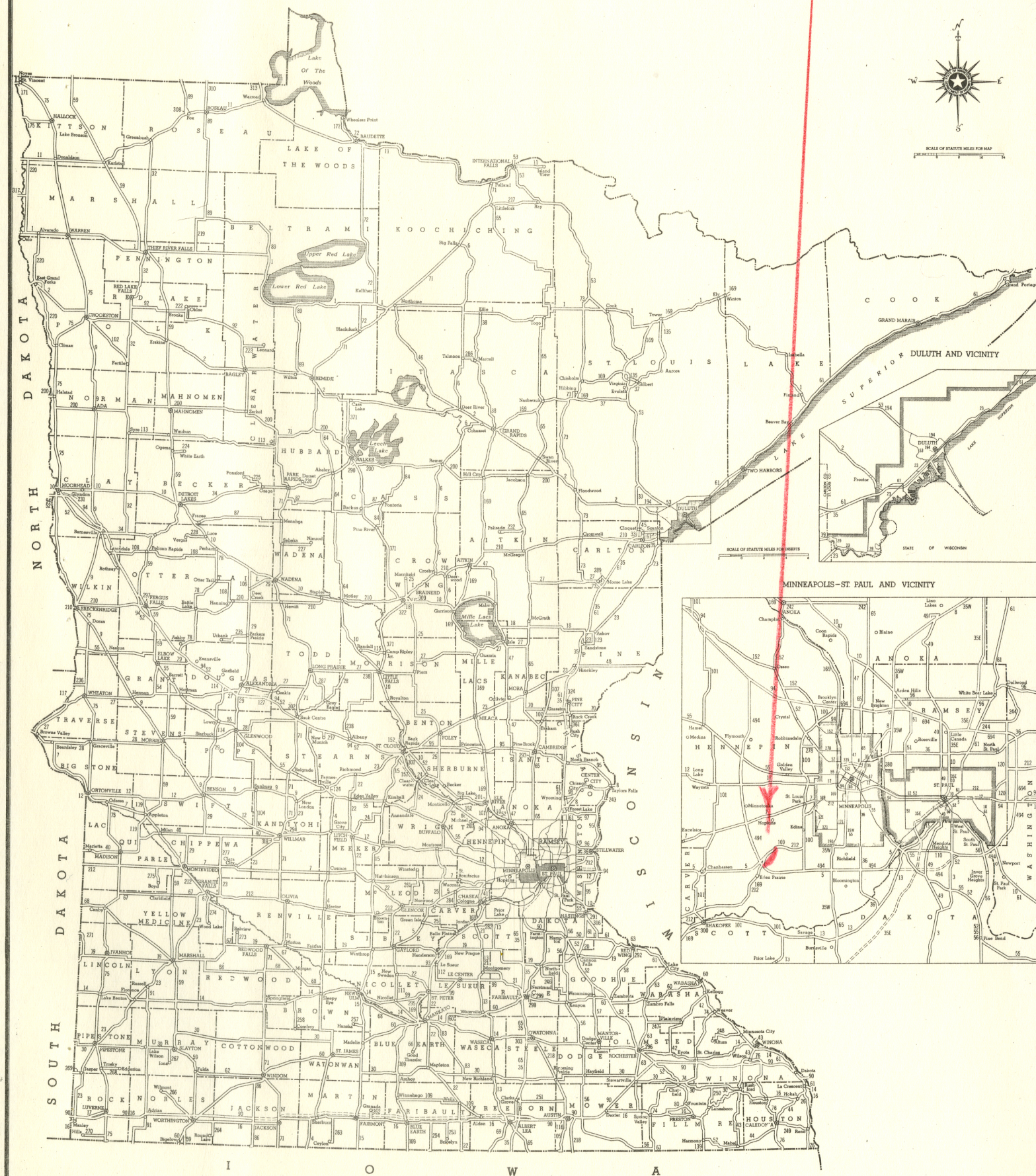
Morris Gildemeister

Morris Gildemeister, Chief
Statewide Planning Section

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STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
S.P. 2763



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 3

FOR

T.H. 169 S.P. 2763 LENGTH ----- MILES
COUNTY Hennepin LOCATION TH 494 to CSAH 61 in Eden Prairie

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	24348	2631	7213	15690	19252	21675	2423	21675	1728	3131	708
1	618	69	164	380	465	517	52	517	27	69	17
2	349	28	88	116	172	184	12	184	11	19	7
3	64	6	18	49	60	62	2	62	2	3	1
4	92	14	43	83	112	115	3	115	3	6	3
5	363	32	110	166	233	236	3	236	20	12	9
6	166	20	64	116	156	161	5	161	9	10	5
TOTAL ADT	26000	2800	7700	16600	20450	22950	2500	22950	1800	3250	750
TOTAL H. COMM. ADT	1652	169	487	910	1198	1275	77	1275	72	119	42
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 3

FOR

T.H. 169 S.P. 2763 LENGTH ----- MILES
COUNTY Hennepin LOCATION TH 494 to CSAH 61 in Eden Prairie

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	16940	19363	3612	6035	3773	17101	851	1131	17381	4798	678
1	429	481	129	181	146	446	23	34	457	172	15
2	251	263	19	31	23	255	5	7	257	40	4
3	43	45	5	7	5	43	3	4	44	5	-
4	41	44	4	7	5	42	4	5	43	10	1
5	250	253	5	8	6	251	5	6	252	10	1
6	96	101	76	81	42	62	9	13	66	15	1
TOTAL ADT	18050	20550	3850	6350	4000	18200	900	1200	18500	5050	700
TOTAL H. COMM. ADT	1110	1187	238	315	227	1099	49	69	1119	252	22
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 3

FOR

T.H. 169 S.P. 2763 LENGTH ----- MILES

COUNTY Hennepin LOCATION TH 494 to CSAH 61 in Eden Prairie

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 27 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23	24	25	26	27						
0	4418	2946	1282	1897	1236						
1	158	105	46	63	44						
2	37	25	11	14	10						
3	5	3	1	3	1						
4	9	6	3	5	2						
5	9	6	3	7	3						
6	14	9	4	11	4						
TOTAL ADT	4650	3100	1350	2000	1300						
TOTAL H. COMM. ADT	232	154	68	103	64						
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method, and Assumptions

The 1985 ADT and peak hour volumes are presented in SPAR M-27 transmitted July 2, 1970.

HCADT total is in agreement with System 14 study of heavy trucks.

Vehicle type distributions are based on vehicle classification counts taken on roads providing service similar to that of the subject project.

Traffic volumes for 1990 may be obtained by increasing 1985 volumes transmitted in this report by 15 percent.